



# Kentucky HIV/AIDS Semi-Annual Report

Volume 1 Number 1

Mid-Year  
June 30, 2001

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## New Look, New Web Site

The HIV/AIDS Quarterly Report has changed to the HIV/AIDS Semi-Annual report. We hope that this new report will provide HIV/AIDS related information in an improved, easier to read format.

This report is also found on the new Kentucky Department for Public Health web site. The web address for the HIV/AIDS program is <http://publichealth.state.ky.us/hiv-aids.htm>.

The HIV/AIDS web site not only contains copies of the Quarterly Reports for the past three years but also lists information on HIV prevention, HIV/AIDS surveillance, and services for those persons living with HIV/AIDS. In addition a list of approved HIV/AIDS continuing education courses for health professionals may be accessed through the web site.

## Cumulative Kentucky HIV/AIDS Cases

<u>Type of Case</u>	<u>Number of Cases</u>
AIDS Cases both living and deceased as of June 30, 2001	3,481
Cases <b>living with AIDS</b> as of June 30, 2001	1,774
Cases <b>living with HIV</b> who had not developed AIDS as of June 30, 2000	2,560

The HIV/AIDS Semi-Annual Report  
is produced by:

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### Kentucky HIV/AIDS Semi-Annual Report Data Sources and Limitations

The HIV/AIDS Semi-Annual Report contains AIDS cases diagnosed and reported to the Kentucky Department for Public Health, HIV/AIDS Program through June 30, 2001, and HIV cases diagnosed and reported through June 30, 2000.

According to state regulation 902 KAR 2:020, Section 7, health professionals licensed under KRS chapters 311 through 314, health facilities licensed under KRS chapter 216B and laboratories licensed under KRS chapter 333 are required to report HIV and AIDS cases to the Kentucky Department for Public Health within five business days of diagnosis. AIDS cases are reported by name, while HIV cases are reported by 'Unique Identifier' consisting of the person's initials of last and first name; date of birth; and last four digits of Social Security number. HIV tests can be either anonymous or confidential; however, only those confidential HIV positive cases are reported to the Kentucky Department for Public Health.

HIV and AIDS cases who reside in the Kentucky counties of Bullitt, Henry, Jefferson, Oldham, Shelby, Spencer and Trimble are reported to an HIV/AIDS surveillance technician at the Jefferson County Health Department. All other HIV and AIDS cases are reported to an HIV/AIDS surveillance technician at the Kentucky Department for Public Health. Case information from both sites is combined at the Kentucky Department for Public Health to produce this report.

New Kentucky HIV/AIDS reporting requirements including 'Unique Identifier' reporting for HIV cases were adopted as of December 15, 2000. In order to evaluate the new HIV reporting system and the effectiveness of the unique code, no HIV data from the new reporting system will be released for at least one full year. In this report, HIV data is presented and represents data that was in the old 'Initial Identifier' HIV reporting system as of June 30, 2000, when that system was replaced by the 'Unique Identifier' system.

Prior to implementation of the new reporting requirements, when HIV and AIDS cases were reported, they were entered into separate databases. The AIDS database contains all AIDS cases reported both living and deceased since 1982. The HIV data set, however, contains only those cases living with HIV who had not developed AIDS as of June 30, 2000.

This HIV dataset is limited because it only contains those cases living with HIV as of June 30, 2000 and can not be used to derive a proper rate. Another limitation of the HIV data presented in this report is the large number for which the mode of exposure or risk factor is undetermined. As of June 30, 2000, 32% of HIV cases were listed with an undetermined mode of exposure.

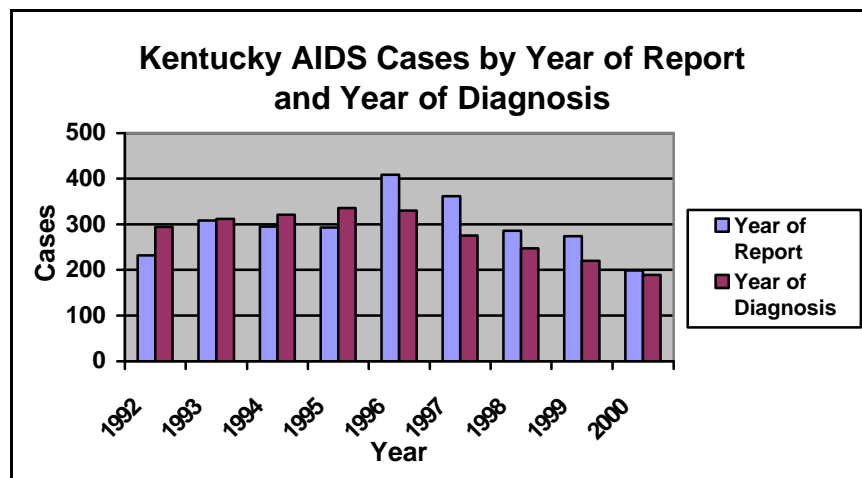
## AIDS Cases by Report Date and Diagnosis Date

**Date of Report:** When an HIV or AIDS case is reported to the Kentucky HIV/AIDS Program

**Date of Diagnosis:** When an HIV or AIDS case is actually diagnosed

**Key Difference:** A case may be diagnosed in one year and not reported for many years later. For this reason, date of diagnosis is used to examine epidemiologic trends.

Year	AIDS Cases by Year of Diagnosis	AIDS Cases by Year of Report
1992	294	232
1993	312	308
1994	321	295
1995	336	293
1996	330	409
1997	275	362
1998	247	286
1999	220	274
2000	189	199
2001	75	187



<b>Adult/Adolescent<sup>(1)</sup> AIDS Cases by Year of Diagnosis</b>																
<b>Characteristics</b>	<b>1982-95</b>	<b>%</b>	<b>1996</b>	<b>%</b>	<b>1997</b>	<b>%</b>	<b>1998</b>	<b>%</b>	<b>1999</b>	<b>%</b>	<b>2000</b>	<b>%</b>	<b>2001<sup>(2)</sup></b>	<b>%</b>	<b>Total</b>	<b>%<sup>(3)</sup></b>
<b><u>GENDER</u></b>																
Male	1908	90%	276	85%	232	84%	206	84%	168	77%	153	83%	67	89%	3010	87%
Female	220	10%	49	15%	43	16%	40	16%	50	23%	35	17%	8	11%	445	13%
<b>TOTAL</b>	<b>2128</b>	<b>100%</b>	<b>325</b>	<b>100%</b>	<b>275</b>	<b>100%</b>	<b>246</b>	<b>100%</b>	<b>218</b>	<b>100%</b>	<b>188</b>	<b>100%</b>	<b>75</b>	<b>100%</b>	<b>3455</b>	<b>100%</b>
<b><u>AGE AT DIAGNOSIS</u></b>																
13-19	20	1%	1	1%	1	1%	1	1%	1	1%	0	0%	1	1%	25	1%
20-29	465	22%	46	14%	37	14%	32	13%	34	16%	25	13%	8	11%	647	19%
30-39	1018	48%	167	51%	132	48%	115	47%	96	44%	85	45%	27	36%	1640	48%
40-49	452	21%	86	27%	85	31%	72	29%	64	29%	54	29%	28	37%	841	24%
>49	173	8%	25	8%	20	7%	26	11%	23	11%	24	13%	11	15%	302	9%
<b>TOTAL</b>	<b>2128</b>	<b>100%</b>	<b>325</b>	<b>100%</b>	<b>275</b>	<b>100%</b>	<b>246</b>	<b>100%</b>	<b>218</b>	<b>100%</b>	<b>188</b>	<b>100%</b>	<b>75</b>	<b>100%</b>	<b>3455</b>	<b>100%</b>
<b><u>RACE</u></b>																
White	1582	74%	212	65%	165	60%	151	61%	131	60%	101	54%	44	59%	2386	69%
African-American	517	24%	109	34%	96	35%	85	35%	82	38%	75	40%	29	39%	993	29%
Other	29	2%	4	1%	14	5%	10	4%	5	2%	12	6%	2	3%	76	2%
<b>TOTAL</b>	<b>2128</b>	<b>100%</b>	<b>325</b>	<b>100%</b>	<b>275</b>	<b>100%</b>	<b>246</b>	<b>100%</b>	<b>218</b>	<b>100%</b>	<b>188</b>	<b>100%</b>	<b>75</b>	<b>100%</b>	<b>3455</b>	<b>100%</b>
<b><u>RISK</u></b>																
MSM <sup>(4)</sup>	1347	63%	167	51%	143	52%	118	49%	107	50%	81	43%	35	47%	1998	58%
IDU <sup>(5)</sup>	259	12%	52	16%	43	16%	35	14%	30	14%	20	11%	5	7%	444	13%
MSM and IDU	144	7%	14	4%	17	6%	18	7%	5	2%	5	3%	4	5%	207	6%
Hemophilia/Coagulation Disorder	73	3%	2	1%	2	1%	2	1%	0	0%	3	2%	0	0%	82	2%
Heterosexual <sup>(6)</sup>	201	9%	63	19%	33	12%	38	15%	32	15%	24	13%	5	7%	396	12%
Transfusion	39	2%	2	1%	0	0%	0	0%	2	1%	0	0%	0	0%	43	1%
Undetermined <sup>(7)</sup>	65	3%	25	8%	37	14%	35	14%	42	19%	55	29%	26	35%	285	8%
<b>TOTAL</b>	<b>2128</b>	<b>100%</b>	<b>325</b>	<b>100%</b>	<b>275</b>	<b>100%</b>	<b>246</b>	<b>100%</b>	<b>218</b>	<b>100%</b>	<b>188</b>	<b>100%</b>	<b>75</b>	<b>100%</b>	<b>3455</b>	<b>100%</b>

(1) Cases are classified as Adult/Adolescent if they are 13 years of age or older at time of diagnosis.

(2) Data for the year 2001 only represent cases reported to the Department for Public Health through June 30, 2001.

(3) Percentages may not total to 100 due to rounding.

(4) MSM = Men Having Sex with Men

(5) IDU = Injecting Drug User

(6) "Heterosexual" includes persons who have had heterosexual contact with a person with HIV or at risk for HIV.

(7) "Undetermined" refers to persons whose mode of exposure to HIV is unknown. This includes persons who are under investigation, deceased, lost to follow-up, refused interview, and persons whose mode of exposure remains undetermined after investigation.

<b>Pediatric<sup>(1)</sup> AIDS Cases by Year of Diagnosis</b>																
<b>Risk Factor</b>	<b>1982-95</b>	<b>%</b>	<b>1996</b>	<b>%</b>	<b>1997</b>	<b>%</b>	<b>1998</b>	<b>%</b>	<b>1999</b>	<b>%</b>	<b>2000</b>	<b>%</b>	<b>2001<sup>(2)</sup></b>	<b>%</b>	<b>Total</b>	<b>%<sup>(3)</sup></b>
Hemophilia/Coagulation Disorder	4	23%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	4	15%
Perinatal	12	71%	5	100%	0	0%	1	100%	2	100%	1	100%	0	0%	21	81%
Transfusion	1	6%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1	4%
<b>Total</b>	<b>17</b>	<b>100%</b>	<b>5</b>	<b>100%</b>	<b>0</b>	<b>0%</b>	<b>1</b>	<b>100%</b>	<b>2</b>	<b>100%</b>	<b>1</b>	<b>100%</b>	<b>0</b>	<b>0%</b>	<b>26</b>	<b>100%</b>

(1) Cases are classified as Pediatric if they are less than 13 years of age at time of diagnosis.

(2) Data for the year 2001 only represent cases reported to the Department for Public Health through June 30, 2001.

(3) Percentages may not total to 100 due to rounding.

CUMULATIVE ADULT/ADOLESCENT <sup>(1)</sup> AIDS CASES BY RISK, RACE, AND GENDER 6/30/01									
Risk	White		African American		Other		TOTAL		
	No.	%	No.	%	No.	%	No.	% <sup>(2)</sup>	
MALE	MSM <sup>(3)</sup>	1610	75%	365	46%	23	37%	1998	66%
	IDU <sup>(4)</sup>	132	6%	175	22%	16	26%	323	11%
	MSM and IDU	131	6%	72	9%	4	6%	207	7%
	Hemophilia/Coagulation Disorder	73	3%	8	1%	0	0%	81	3%
	Heterosexual	98	5%	67	8%	6	10%	171	6%
	Transfusion/Transplant	24	1%	4	1%	0	0%	28	1%
	Undetermined	90	4%	99	13%	13	21%	202	7%
TOTAL		2158	100%	790	100%	62	100%	3010	100%
FEMALE	IDU <sup>(4)</sup>	55	24%	61	30%	5	36%	121	27%
	Hemophilia/Coagulation Disorder	1	0%	0	0%	0	0%	1	0%
	Heterosexual <sup>(5)</sup>	127	56%	92	45%	6	43%	225	51%
	Transfusion/Transplant	11	5%	4	2%	0	0%	15	3%
	Undetermined <sup>(6)</sup>	34	15%	46	23%	3	21%	83	19%
TOTAL		228	100%	203	100%	14	100%	445	100%

(1) Cases are classified as Adult/Adolescent if they are 13 years of age or older at time of diagnosis.

(2) Percentages may not total to 100 due to rounding.

(3) MSM = Men Having Sex with Men

(4) IDU = Injecting Drug User

(5) "Heterosexual" includes persons who have had heterosexual contact with a person with HIV or at risk for HIV.

(6) "Undetermined" refers to persons whose mode of exposure to HIV is unknown. This includes persons who are under investigation, dead, lost to follow-up, refused interview, and persons whose mode of exposure remain undetermined after investigation.

CUMULATIVE PEDIATRIC <sup>(1)</sup> AIDS CASES BY RISK AND RACE 6/30/01								
Risk	White		African American		Other		TOTAL	
	No.	%	No.	%	No.	%	No.	% <sup>(2)</sup>
Hemophilia/Coagulation Disorder	3	21%	1	8%	0	0%	4	15%
Perinatal	10	71%	11	92%	0	0%	21	81%
Transfusion	1	7%	0	0%	0	0%	1	4%
TOTAL	14	100%	12	100%	0	0%	26	100%

(1) Cases are classified as Pediatric if they are less than 13 years of age at time of diagnosis.

(2) Percentages may not total to 100 due to rounding

CUMULATIVE <sup>(1)</sup> AIDS CASES BY AGE AT DIAGNOSIS, RACE, AND GENDER 6/30/01									
Age Group	White		African American		Other		TOTAL		% <sup>(2)</sup>
	No.	%	No.	%	No.	%	No.	%	
MALE	<13	7	0%	6	1%	0	0%	13	0%
	13-19	15	1%	4	1%	1	2%	20	1%
	20-29	392	18%	133	17%	13	21%	538	18%
	30-39	1036	48%	367	46%	36	58%	1439	48%
	40-49	520	24%	228	29%	9	15%	757	25%
	>49	195	9%	58	7%	3	5%	256	8%
	TOTAL	2165	100%	796	100%	62	100%	3023	100%
FEMALE	<13	7	3%	6	3%	0	0%	13	3%
	13-19	4	2%	1	0%	0	0%	5	1%
	20-29	58	25%	47	22%	4	29%	109	24%
	30-39	93	40%	101	48%	7	50%	201	44%
	40-49	40	17%	43	21%	1	7%	84	18%
	>49	33	14%	11	5%	2	14%	46	10%
	TOTAL	235	100%	209	100%	14	100%	458	100%

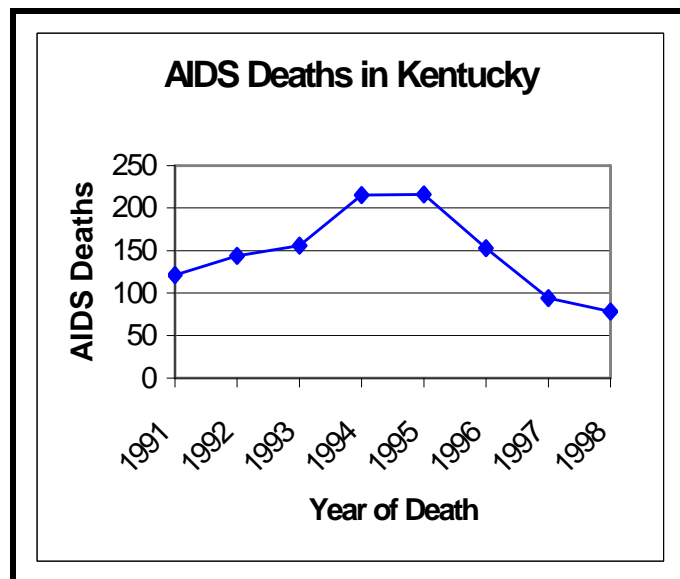
(1) Includes both Adult/Adolescent and Pediatric AIDS cases.

(2) Percentages may not total to 100 due to rounding.

KENTUCKY AIDS CASES <sup>(1)</sup> , LIVING AND DECEASED, AS OF 6/30/01				
Diagnosis Year	Total Cases	Living	Deceased	Case Fatality Rate <sup>(2)</sup>
1982	3	0	3	100%
1983	6	0	6	100%
1984	15	0	15	100%
1985	32	0	32	100%
1986	41	1	40	98%
1987	72	6	66	92%
1988	126	4	122	97%
1989	170	20	150	88%
1990	193	25	168	87%
1991	224	39	185	83%
1992	294	73	221	75%
1993	312	108	204	65%
1994	321	164	157	49%
1995	336	218	118	35%
1996	330	254	76	23%
1997	275	223	52	19%
1998	247	204	43	17%
1999	220	193	27	12%
2000	189	169	20	11%
2001	75	73	2	3%
TOTAL	3481	1774	1707	49%

(1) Includes both Adult/Adolescent and Pediatric AIDS cases.

(2) The case fatality rate is the percentage of AIDS cases diagnosed in a year which are deceased.



AIDS deaths declined 49% from 153 in 1996 to 78 in 1998. The overall number of Kentucky AIDS deaths declined in 1996, 1997, and 1998 due to the success of combination therapies.

## CUMULATIVE AIDS STATISTICS FOR KENTUCKY AND THE UNITED STATES

KENTUCKY AIDS CASES REPORTED AS OF 6/30/01		
Characteristics	Total Cases	% <sup>(1)</sup> of AIDS cases
<b>GENDER</b>		
Male	3,023	87%
Female	458	13%
Unknown	0	0%
<b>TOTAL</b>	<b>3,481</b>	<b>100%</b>
<b>AGE AT DIAGNOSIS</b>		
<13	26	1%
13-19	25	1%
20-29	647	19%
30-39	1,640	47%
40-49	841	24%
>49	302	9%
Unknown	0	0%
<b>TOTAL</b>	<b>3,481</b>	<b>100%</b>
<b>RACE</b>		
White	2,400	69%
African-American	1,005	29%
Other	76	2%
Undetermined	0	0%
<b>TOTAL</b>	<b>3,481</b>	<b>100%</b>
<b>RISK</b>		
MSM <sup>(2)</sup>	1,998	57%
IDU <sup>(3)</sup>	444	13%
MSM/IDU	207	6%
Hemophiliac	86	2%
Heterosexual	396	11%
Transfusion	44	1%
Perinatal	21	1%
Undetermined	285	8%
<b>TOTAL</b>	<b>3,481</b>	<b>100%</b>

(1) Percentages may not always total 100% due to rounding

(2) MSM=Men Having Sex with Men

(3) IDU=Injecting Drug User

UNITED STATES AIDS CASES <sup>(4)</sup> REPORTED AS OF 6/30/00		
Characteristics	Total Cases	% <sup>(1)</sup> of AIDS cases
<b>GENDER</b>		
Male	624,714	83%
Female	129,190	17%
Unknown	3	0%
<b>TOTAL</b>	<b>753,907</b>	<b>100%</b>
<b>AGE AT DIAGNOSIS</b>		
<13	8,804	1%
13-19	3,865	1%
20-29	126,105	17%
30-39	337,501	45%
40-49	196,526	26%
>49	81,103	11%
Unknown	3	0%
<b>TOTAL</b>	<b>753,907</b>	<b>100%</b>
<b>RACE</b>		
White	324,820	43%
African-American	282,720	38%
Other	145,354	19%
Undetermined	1,013	0%
<b>TOTAL</b>	<b>753,907</b>	<b>100%</b>
<b>RISK</b>		
MSM <sup>(2)</sup>	348,657	46%
IDU <sup>(3)</sup>	189,242	25%
MSM/IDU	47,820	6%
Hemophiliac	5,357	1%
Heterosexual	78,210	10%
Transfusion	9,047	1%
Perinatal	8,027	1%
Undetermined	67,547	9%
<b>TOTAL</b>	<b>753,907</b>	<b>100%</b>

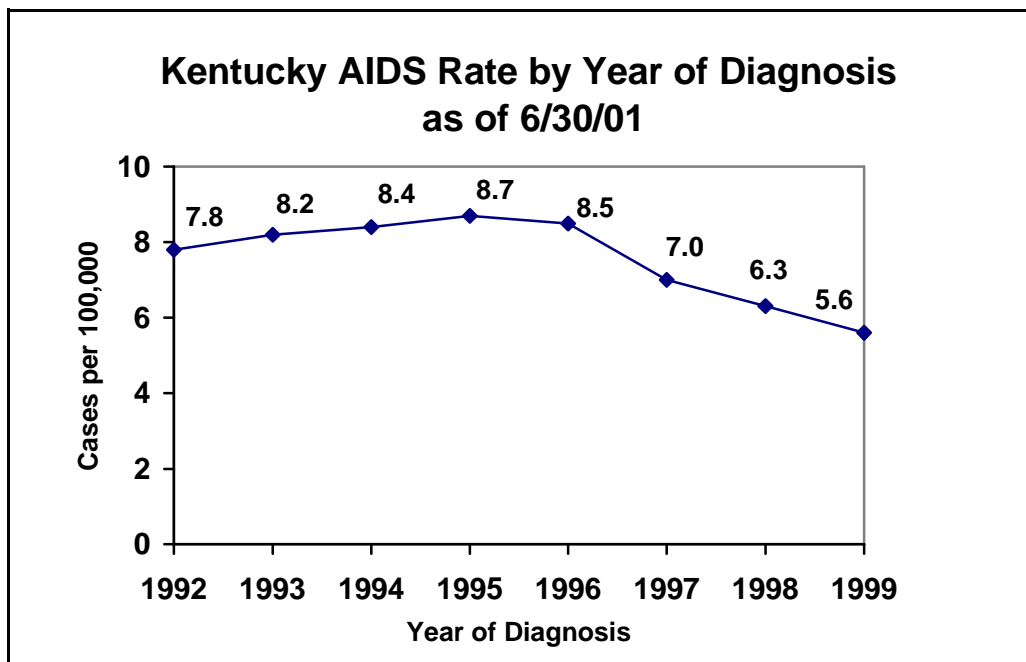
(4) U.S. Cases from Centers for Disease Control and Prevention. *HIV/AIDS Surveillance Report*, 2000;12(No.1)

Kentucky closely parallels the US percentage of AIDS cases by gender and age at diagnosis. Compared to US data, the percentage of white cases reported is greater in Kentucky. One possible explanation for this is that there is a greater percentage of White persons in Kentucky's general population compared to the US population. In addition, a greater percentage of Kentucky AIDS cases report their mode of exposure to be Men Having Sex with Men (MSM) compared to US AIDS cases.

**Annual AIDS Rate per 100,000**  
**A Comparison of Kentucky to Other States**  
**Year of Report 1999**

<u>Rank</u>	<u>State Name</u>	<u>Rate</u>
1	District of Columbia	161.5
2	New York	42.3
3	Florida	36.2
4	Maryland	29.5
5	New Jersey	25.1
*	*	*
*	*	*
29	Kentucky	7.0

**US Rate = 16.5**



Compared to other states, Kentucky ranked 29th in the number of AIDS cases reported. The AIDS rate in Kentucky, based on year of diagnosis, has declined since 1995. The National AIDS rate has declined as well. These declines may be due to highly effective treatments for HIV and opportunistic infections.



CUMULATIVE AIDS CASES <sup>1</sup>										
BY										
COUNTY OF RESIDENCE AT TIME OF DIAGNOSIS										
County	Total AIDS Cases <sup>(2)</sup>	Living With AIDS		County	Total AIDS Cases	Living With AIDS		County	Total AIDS Cases	Living With AIDS
Adair	≤5	≤5		Grant	10	≤5		McLean	≤5	≤5
Allen	≤5	≤5		Graves	17	≤5		Meade	10	7
Anderson	7	≤5		Grayson	7	≤5		Menifee	≤5	≤5
Ballard	6	≤5		Green	≤5	≤5		Mercer	15	7
Barren	17	≤5		Greenup	9	≤5		Metcalfe	≤5	≤5
Bath	≤5	≤5		Hancock	≤5	≤5		Monroe	9	≤5
Bell	9	7		Hardin	54	28		Montgomery	8	8
Boone	37	20		Harlan	9	≤5		Morgan	15	9
Bourbon	11	6		Harrison	7	≤5		Muhlenberg	19	7
Boyd	46	30		Hart	≤5	≤5		Nelson	11	≤5
Boyle	8	≤5		Henderson	33	20		Nicholas	≤5	≤5
Bracken	≤5	≤5		Henry	8	≤5		Ohio	6	≤5
Breathitt	≤5	≤5		Hickman	≤5	≤5		Oldham	97	57
Breckinridge	6	≤5		Hopkins	28	9		Owen	≤5	≤5
Bullitt	12	6		Jackson	≤5	≤5		Owsley	≤5	≤5
Butler	≤5	≤5		Jefferson	1452	714		Pendleton	≤5	≤5
Caldwell	11	6		Jessamine	12	≤5		Perry	≤5	≤5
Calloway	15	6		Johnson	6	≤5		Pike	20	11
Campbell	66	31		Kenton	168	73		Powell	≤5	≤5
Carlisle	≤5	≤5		Knott	≤5	≤5		Pulaski	25	11
Carroll	≤5	≤5		Knox	6	≤5		Robertson	≤5	≤5
Carter	≤5	≤5		Larue	≤5	≤5		Rockcastle	≤5	≤5
Casey	≤5	≤5		Laurel	11	≤5		Rowan	≤5	≤5
Christian	51	29		Lawrence	≤5	≤5		Russell	≤5	≤5
Clark	14	9		Lee	≤5	≤5		Scott	16	11
Clay	17	14		Leslie	≤5	≤5		Shelby	18	10
Clinton	≤5	≤5		Letcher	12	≤5		Simpson	7	≤5
Crittenden	≤5	≤5		Lewis	8	≤5		Spencer	≤5	≤5
Cumberland	≤5	≤5		Lincoln	6	≤5		Taylor	≤5	≤5
Daviess	55	28		Livingston	9	≤5		Todd	14	9
Edmonson	≤5	≤5		Logan	17	7		Trigg	6	≤5
Elliott	≤5	≤5		Lyon	13	≤5		Trimble	≤5	≤5
Estill	≤5	≤5		Madison	28	12		Union	12	7
Fayette	499	284		Magoffin	≤5	≤5		Warren	54	16
Fleming	≤5	≤5		Marion	≤5	≤5		Washington	≤5	≤5
Floyd	10	8		Marshall	8	6		Wayne	≤5	≤5
Franklin	33	16		Martin	≤5	≤5		Webster	6	≤5
Fulton	≤5	≤5		Mason	10	≤5		Whitley	14	8
Gallatin	≤5	≤5		McCracken	73	37		Wolfe	≤5	≤5
Garrard	≤5	≤5		McCreary	≤5	≤5		Woodford	13	9

(1) For confidentiality purposes, cases less than or equal to 5 will no longer be listed.

(2) Total cases both living and deceased

<b>AIDS CASES AND RATES BY YEAR OF DIAGNOSIS AND AREA DEVELOPMENT DISTRICT OF RESIDENCE AT TIME OF DIAGNOSIS</b>										
<b>DISTRICT</b>	<b>CASES &amp; RATES<sup>(1)</sup></b>	<b>1982-95</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999<sup>(2)</sup></b>	<b>2000<sup>(2)</sup></b>	<b>2001</b>	<b>TOTAL CASES<sup>(3)</sup></b>	<b>%</b>
1. Purchase	Cases	76	10	8	12	13	7	2	128	4%
	Rate per 100,000		5.3	4.2	6.3	6.8	3.7			
2. Pennyriple	Cases	98	16	9	10	5	11	3	152	4%
	Rate per 100,000		7.7	4.2	4.7	2.3	5.1			
3. Green River	Cases	68	10	8	12	7	8	3	116	3%
	Rate per 100,000		4.9	3.9	5.8	3.4	3.9			
4. Barren River	Cases	78	13	7	6	8	4	2	118	3%
	Rate per 100,000		5.4	2.9	2.5	3.3	1.6			
5. Lincoln Trail	Cases	54	10	13	7	4	7	0	95	3%
	Rate per 100,000		4.3	5.5	2.9	1.7	2.9			
6. North Central	Cases	961	158	134	112	114	83	32	1594	46%
	Rate per 100,000		19.0	16.1	13.4	13.6	9.9			
7. Northern Kentucky	Cases	222	21	17	10	11	6	3	290	8%
	Rate per 100,000		5.8	4.6	2.7	2.9	1.6			
8. Buffalo Trace	Cases	11	2	4	5	1	1	1	25	1%
	Rate per 100,000		3.7	7.4	9.1	1.8	1.8			
9. Gateway	Cases	20	4	2	1	3	1	1	32	1%
	Rate per 100,000		5.6	2.8	1.4	4.1	1.4			
10. FIVCO	Cases	43	6	3	8	2	3	1	66	2%
	Rate per 100,000		4.4	2.2	5.9	1.5	2.2			
11. Big Sandy	Cases	25	2	5	3	3	0	1	39	1%
	Rate per 100,000		1.2	3.0	1.8	1.8	0.0			
12. Kentucky River	Cases	20	1	2	3	1	1	0	28	1%
	Rate per 100,000		0.8	1.6	2.4	0.8	0.8			
13. Cumberland Valley	Cases	39	9	5	9	5	3	3	73	2%
	Rate per 100,000		3.9	2.1	3.8	2.1	1.3			
14. Lake Cumberland	Cases	30	5	3	5	0	2	2	47	1%
	Rate per 100,000		2.7	1.6	2.6	0.0	1.1			
15. Bluegrass	Cases	400	63	55	44	43	52	21	678	19%
	Rate per 100,000		9.8	8.5	6.8	6.6	8.0			
<b>TOTAL CASES</b>		<b>2145</b>	<b>330</b>	<b>275</b>	<b>247</b>	<b>220</b>	<b>189</b>	<b>75</b>	<b>3481</b>	<b>100%</b>

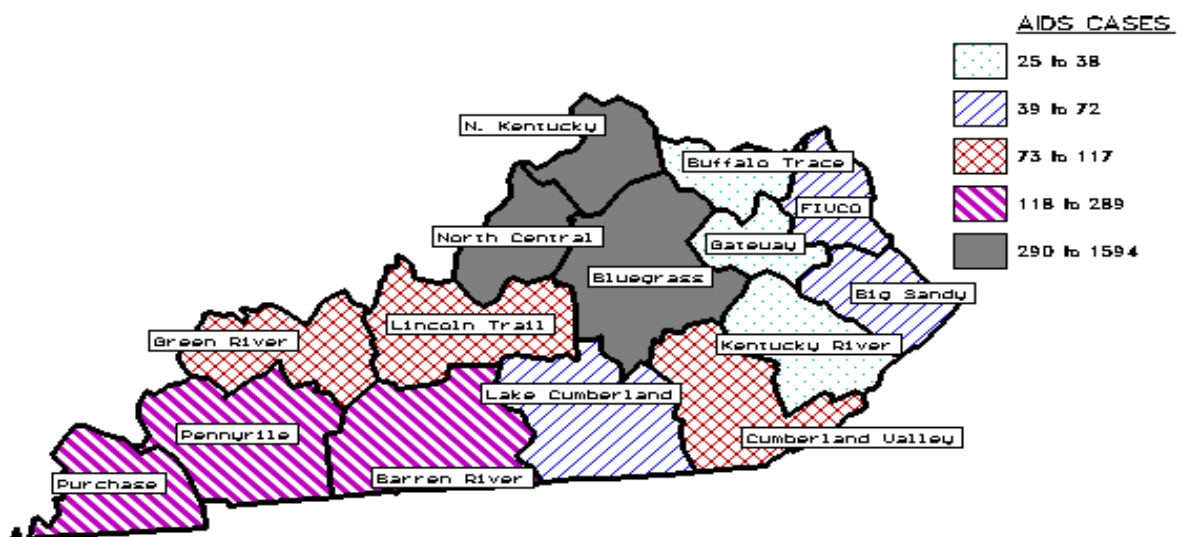
(1) Rates are only listed for years of diagnosis 1996 - 2000. The rate for 2001 is not given due to incomplete data.

(2) Population statistics for 1998 were used to calculate the rates for 1999 and 2000.

(3) Total AIDS Cases both Living and Deceased.

<b>Counties In Each Area Development District</b>
1. Ballard, Calloway, Carlisle, Fulton, Graves, Hickman, McCracken, Marshall
2. Caldwell, Christian, Crittenden, Hopkins, Livingston, Lyon, Muhlenberg, Todd, Trigg
3. Daviess, Hancock, Henderson, McLean, Ohio, Union, Webster
4. Allen, Barren, Butler, Edmonson, Hart, Logan, Metcalfe, Monroe, Simpson, Warren
5. Breckinridge, Grayson, Hardin, Larue, Marion, Meade, Nelson, Washington
6. Bullitt, Henry, Jefferson, Oldham, Shelby, Spencer, Trimble
7. Boone, Campbell, Carroll, Gallatin, Grant, Kenton, Owen, Pendleton
8. Bracken, Fleming, Lewis, Mason, Robertson
9. Bath, Menifee, Montgomery, Morgan, Rowan
10. Boyd, Carter, Elliott, Greenup, Lawrence
11. Floyd, Johnson, Magoffin, Martin, Pike
12. Breathitt, Knott, Lee, Leslie, Letcher, Owsley, Perry, Wolfe
13. Bell, Clay, Harlan, Jackson, Knox, Laurel, Rockcastle, Whitley
14. Adair, Casey, Clinton, Cumberland, Green, McCreary, Pulaski, Russell, Taylor, Wayne
15. Anderson, Bourbon, Boyle, Clark, Estill, Fayette, Franklin, Garrard, Harrison
Jessamine, Lincoln, Madison, Mercer, Nicholas, Powell, Scott, Woodford

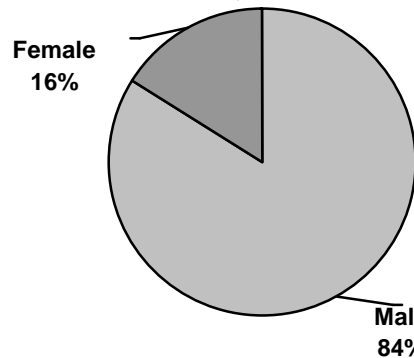
**AIDS in Kentucky**  
**Cumulative AIDS Cases by Area Development District**  
**June 30, 2001**



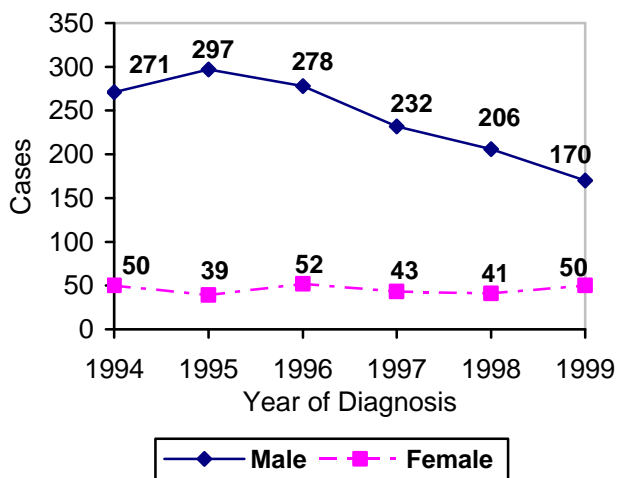
The majority of AIDS cases, 46%, stated that the North Central Area Development District (ADD), which includes Louisville, was their ADD of residence at the time of diagnosis. The next highest percentage, 19%, resided in the Bluegrass ADD, which includes Lexington, followed by Northern Kentucky at 8%.

## GENDER

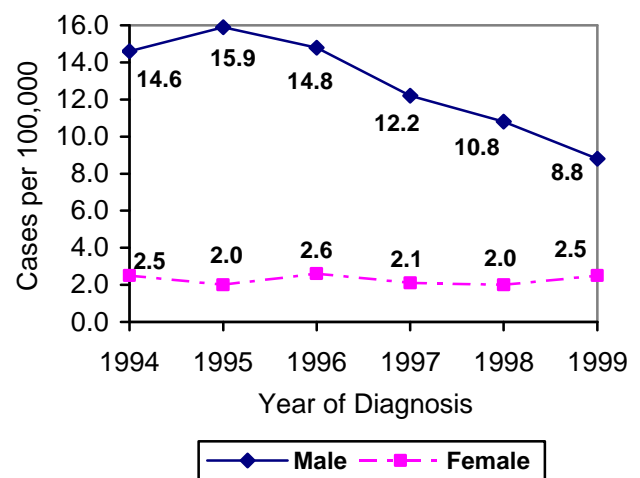
**Percent of Kentucky AIDS Cases  
by Gender,  
January 1, 1994-June 30, 2001  
N=1,993**



**Kentucky AIDS Cases  
by Gender and Year of Diagnosis  
as of 6/30/01**

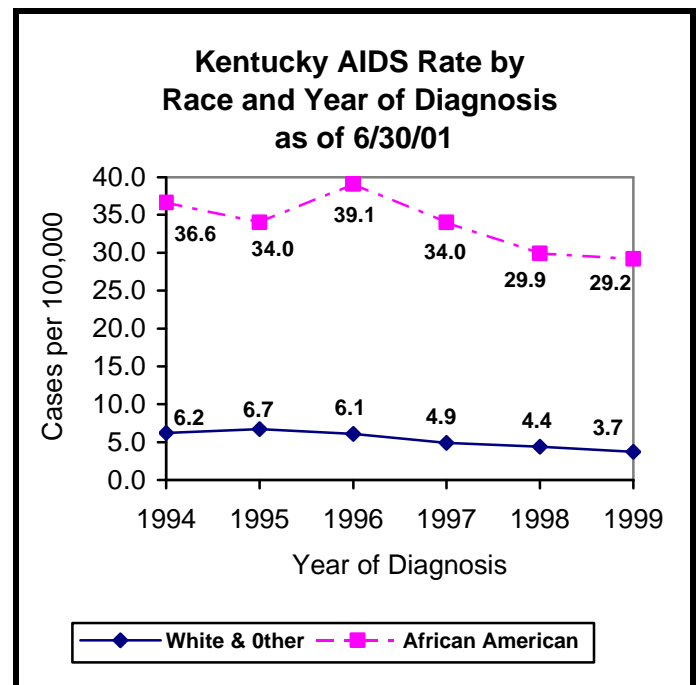
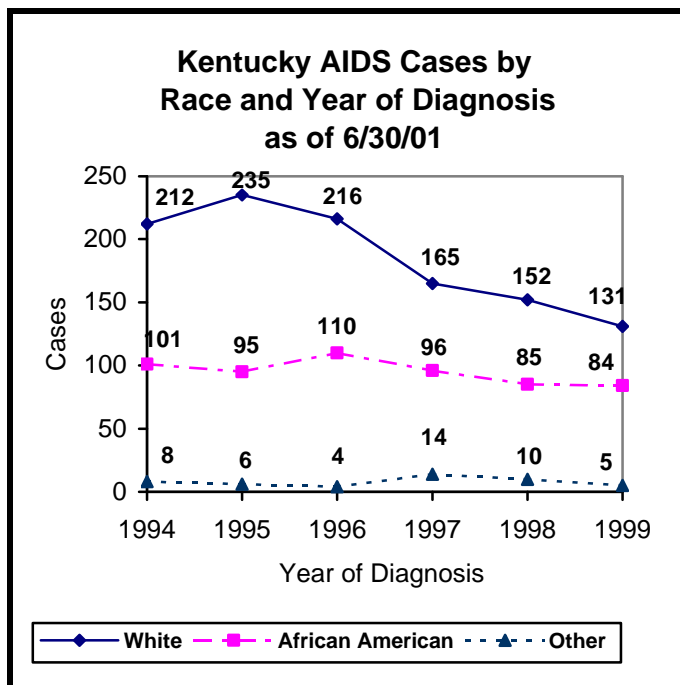
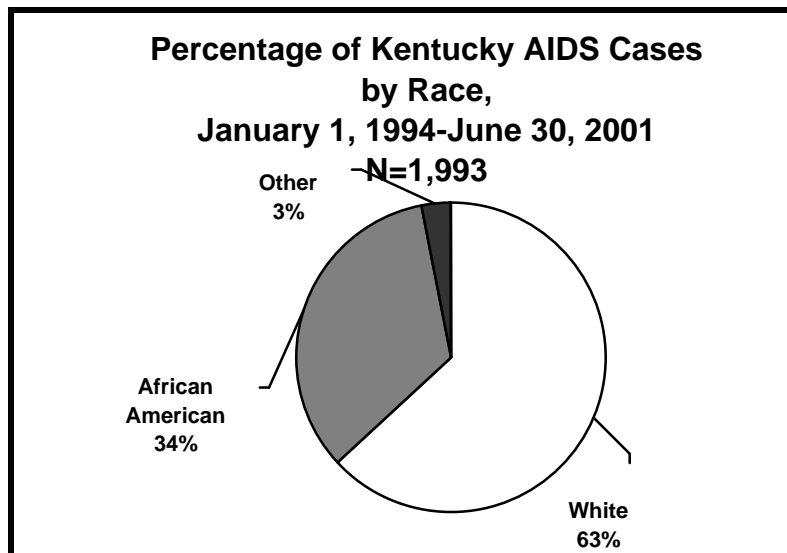


**Kentucky AIDS Rate  
by Gender and Year of Diagnosis  
as of 6/30/01**



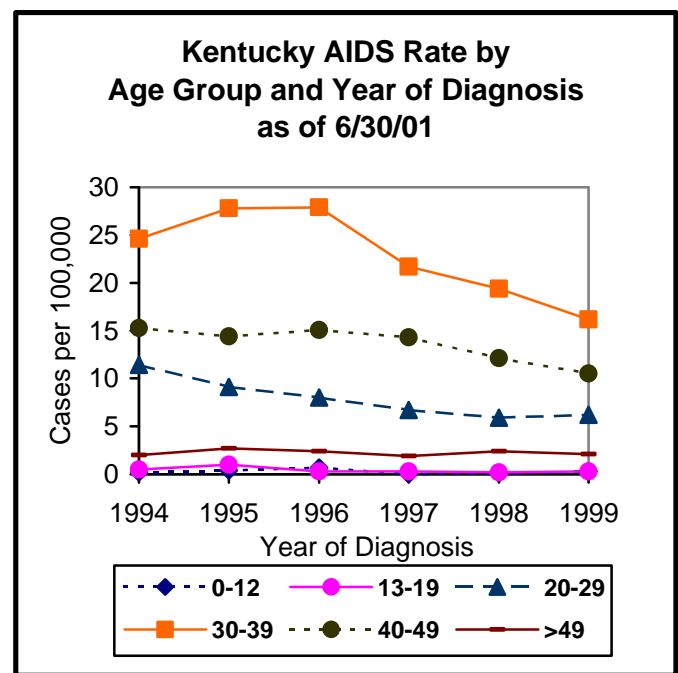
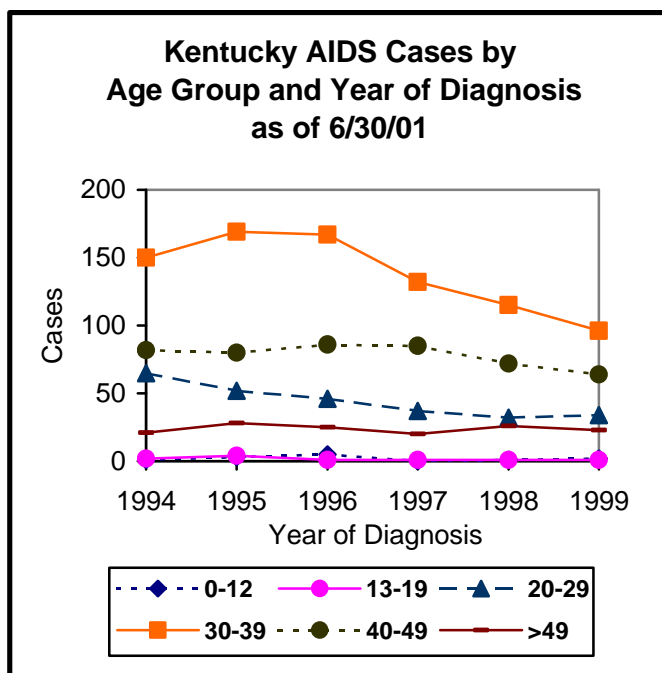
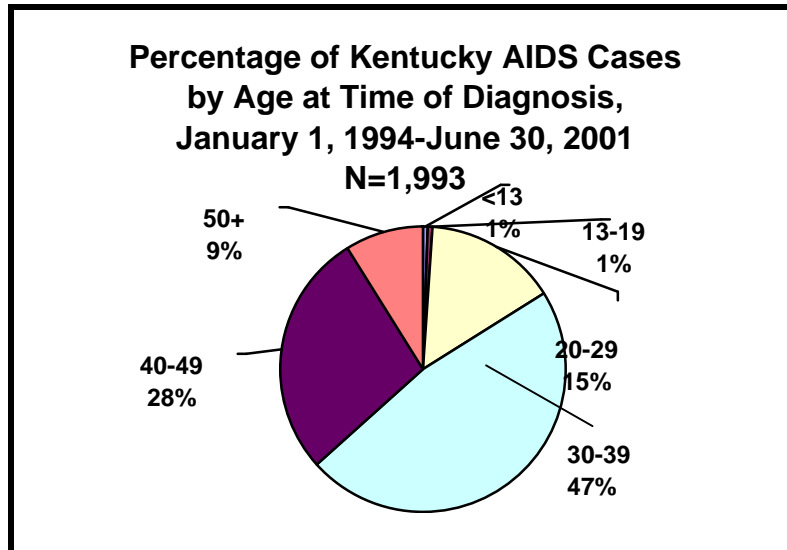
Approximately 84% of all Kentucky AIDS cases reported are male. The average male AIDS rate is approximately 6 times higher than the average female rate. However, the percentage of female AIDS cases has increased in recent years. Women represented 23% of AIDS cases diagnosed in 1999, up from 16% in 1996.

## RACE



The majority of Kentucky AIDS cases, 63%, are white. African Americans comprise 34% of AIDS cases reported. Hispanics comprise the majority of the "Other" category. The AIDS rate for African Americans is approximately 6 times higher than for Whites/Others. African Americans are disproportionately affected by the AIDS epidemic in Kentucky. For instance, in 1999 African Americans comprised 7% of the total population yet 39% of AIDS cases.

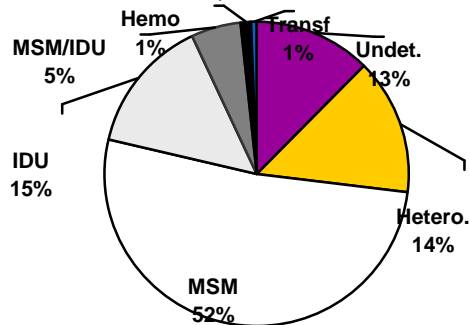
## AGE AT DIAGNOSIS



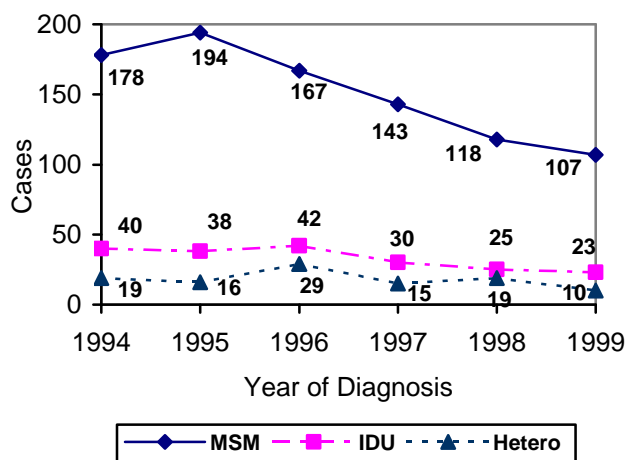
The majority of Kentucky AIDS cases, 47%, are diagnosed in their thirties. The median time from infection to AIDS progression is ten years so many of these cases may have become HIV infected in their twenties. The next highest percentage of AIDS cases is among adults in their forties at 28%, followed by adults in their twenties at 15%.

## MODE OF EXPOSURE/ RISK

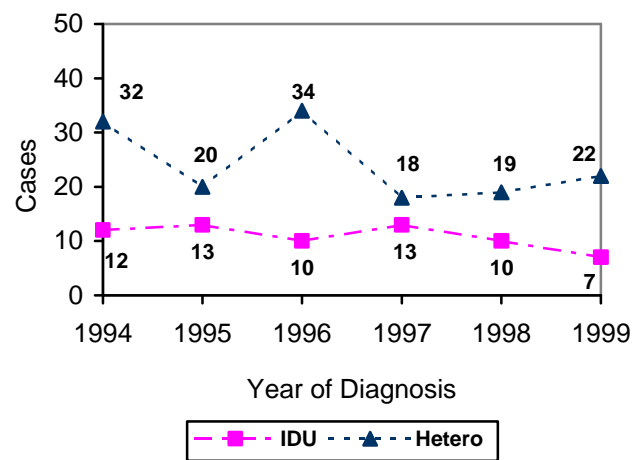
**Percentage of Kentucky Adult/Adolescent  
AIDS Cases by Mode of Exposure,  
January 1, 1994-June 30, 2001  
N=1,980**



**Kentucky Adult/Adolescent AIDS  
Cases by Mode of Exposure  
and Year of Diagnosis  
MALE - 6/30/01**



**Kentucky Adult/Adolescent AIDS  
Cases by Mode of Exposure  
and Year of Diagnosis  
FEMALE - 6/30/01**



Among Kentucky Adult/Adolescent AIDS cases, the highest percentage report Men Having Sex with Men (MSM) to be their main mode of exposure at 52%. The next highest risk factor is Injecting Drug Use (IDU) at 15% followed by Heterosexual contact at 14%.

## HIV IN KENTUCKY

### Notice to Readers

There are several limitations to the HIV data presented below. While physicians, hospitals and laboratories are required to report AIDS cases by name to the Kentucky Department for Public Health, prior to December 15, 2000, HIV cases were only required to be reported by initials. As a result, duplicate cases may be included in the HIV data set. Also, there are a high percentage of cases for which mode of exposure, age at diagnosis and year of diagnosis are undetermined. Only confidential HIV positive cases are reported to the Kentucky Department for Public Health. The HIV data set does not contain all HIV cases diagnosed. HIV cases who have progressed to AIDS are recorded in the AIDS data set. **The HIV cases listed below are only those cases living with HIV who had not developed AIDS as of June 30, 2000.**

HIV CASES BY YEAR OF DIAGNOSIS <sup>(1,2)</sup>														
Characteristics	Year Unknown	<1991	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000 <sup>(3)</sup>	Total	% <sup>(4)</sup>
<b>GENDER</b>														
Male	215	460	143	134	130	131	144	161	164	143	124	35	1984	78%
Female	89	94	49	37	35	35	38	63	39	45	35	17	576	23%
<b>TOTAL</b>	<b>304</b>	<b>554</b>	<b>192</b>	<b>171</b>	<b>165</b>	<b>166</b>	<b>182</b>	<b>224</b>	<b>203</b>	<b>188</b>	<b>159</b>	<b>52</b>	<b>2560</b>	<b>100%</b>
<b>AGE AT DIAGNOSIS</b>														
<13	0	8	4	3	1	3	2	1	1	3	2	0	28	1%
13-19	1	14	2	7	4	9	8	12	13	20	6	5	101	4%
20-29	21	150	65	71	60	60	57	73	64	65	62	17	765	30%
30-39	57	243	66	57	65	56	86	91	83	65	52	21	942	37%
40-49	20	97	37	19	23	29	15	37	34	30	24	4	369	14%
>49	6	33	8	1	3	7	11	9	8	5	11	5	107	4%
Unknown	199	9	10	13	9	2	3	1	0	0	2	0	248	10%
<b>TOTAL</b>	<b>304</b>	<b>554</b>	<b>192</b>	<b>171</b>	<b>165</b>	<b>166</b>	<b>182</b>	<b>224</b>	<b>203</b>	<b>188</b>	<b>159</b>	<b>52</b>	<b>2560</b>	<b>100%</b>
<b>RACE</b>														
White	196	360	107	83	98	93	103	144	110	110	81	30	1515	59%
African-American	71	158	64	68	59	68	73	72	84	71	71	18	877	34%
Other	15	8	4	2	5	5	2	7	8	6	5	1	68	3%
Unknown	22	28	17	18	3	0	4	1	1	1	2	3	100	4%
<b>TOTAL</b>	<b>304</b>	<b>554</b>	<b>192</b>	<b>171</b>	<b>165</b>	<b>166</b>	<b>182</b>	<b>224</b>	<b>203</b>	<b>188</b>	<b>159</b>	<b>52</b>	<b>2560</b>	<b>100%</b>
<b>RISK</b>														
MSM <sup>(5)</sup>	19	240	78	53	69	61	64	77	78	87	72	19	917	36%
IDU <sup>(6)</sup>	22	79	25	16	14	24	16	24	15	10	8	5	258	10%
MSM and IDU	1	26	3	5	4	5	6	7	3	2	2	0	64	3%
Hemophiliac	2	16	0	1	0	0	0	0	0	1	0	0	20	1%
Heterosexual <sup>(7)</sup>	7	41	21	32	36	41	36	54	56	58	49	18	449	18%
Transfusion	2	9	3	1	0	2	1	0	1	0	0	0	19	1%
Perinatal	0	5	4	3	1	3	3	1	1	2	2	0	25	1%
Undetermined <sup>(8)</sup>	251	138	58	60	41	30	56	61	49	28	26	10	808	32%
<b>TOTAL</b>	<b>304</b>	<b>554</b>	<b>192</b>	<b>171</b>	<b>165</b>	<b>166</b>	<b>182</b>	<b>224</b>	<b>203</b>	<b>188</b>	<b>159</b>	<b>52</b>	<b>2560</b>	<b>100%</b>

(1) Data for this report are obtained from physicians, hospitals, laboratories as well as counseling and testing sites.

(2) HIV cases and AIDS cases are maintained in separate datasets. This report includes only those HIV cases who have not progressed to AIDS.

(3) Data for the year 2000 only represent cases reported to the Department for Public Health through June 30, 2000.

(4) Percentages may not always total 100 due to rounding.

(5) MSM = Men having Sex with Men. (6) IDU = Injecting Drug User.

(7) Includes persons who have had heterosexual contact with a person who is HIV positive or at risk for HIV.

(8) "Undetermined" refers to persons whose mode of exposure to HIV is unknown. This includes persons who are under investigation, dead, lost to follow-up, refused interview, and persons whose mode of exposure to HIV remains undetermined after investigation.



### Notice to Readers

There are several limitations to the HIV data presented below. While physicians, hospitals and laboratories are required to report AIDS cases by name to the Kentucky Department for Public Health, prior to December 15, 2000, HIV cases were only required to be reported by initials. As a result, duplicate cases may be included in the HIV data set. Also, there are a high percentage of cases for which mode of exposure, age at diagnosis and year of diagnosis are undetermined. Only confidential HIV positive cases are reported to the Kentucky Department for Public Health. The HIV data set does not contain all HIV cases diagnosed. HIV cases who have progressed to AIDS are recorded in the AIDS data set. **The HIV cases listed below are only those cases living with HIV who had not developed AIDS as of June 30, 2000.**

CUMULATIVE HIV CASES <sup>(1,2)</sup>							
BY							
COUNTY OF RESIDENCE AT TIME OF DIAGNOSIS							
County	Cases	County	Cases	County	Cases	County	Cases
Adair	≤5	Edmonson	≤5	Knox	≤5	Nicholas	≤5
Allen	≤5	Elliott	≤5	Larue	≤5	Ohio	≤5
Anderson	≤5	Estill	≤5	Laurel	≤5	Oldham	55
Ballard	≤5	Fayette	428	Lawrence	≤5	Owen	≤5
Barren	≤5	Fleming	≤5	Lee	≤5	Owsley	≤5
Bath	≤5	Floyd	≤5	Leslie	≤5	Pendleton	≤5
Bell	9	Franklin	28	Letcher	≤5	Perry	≤5
Boone	15	Fulton	≤5	Lewis	≤5	Pike	≤5
Bourbon	≤5	Gallatin	≤5	Lincoln	≤5	Powell	≤5
Boyd	49	Garrard	≤5	Livingston	≤5	Pulaski	14
Boyle	8	Grant	≤5	Logan	≤5	Robertson	≤5
Bracken	≤5	Graves	14	Lyon	15	Rockcastle	≤5
Breathitt	≤5	Grayson	≤5	Madison	19	Rowan	≤5
Breckinridge	≤5	Green	≤5	Magoffin	≤5	Russell	≤5
Bullitt	10	Greenup	≤5	Marion	≤5	Scott	7
Butler	≤5	Hancock	≤5	Marshall	9	Shelby	10
Caldwell	≤5	Hardin	52	Martin	≤5	Simpson	≤5
Calloway	8	Harlan	≤5	Mason	≤5	Spencer	≤5
Campbell	31	Harrison	≤5	McCracken	52	Taylor	≤5
Carlisle	≤5	Hart	≤5	McCreary	≤5	Todd	≤5
Carroll	≤5	Henderson	30	McLean	≤5	Trigg	6
Carter	≤5	Henry	≤5	Meade	6	Trimble	≤5
Casey	≤5	Hickman	≤5	Menifee	≤5	Union	20
Christian	46	Hopkins	10	Mercer	9	Warren	31
Clark	11	Jackson	≤5	Metcalfe	≤5	Washington	≤5
Clay	11	Jefferson	1146	Monroe	7	Wayne	≤5
Clinton	≤5	Jessamine	15	Montgomery	≤5	Webster	≤5
Crittenden	≤5	Johnson	≤5	Morgan	10	Whitley	≤5
Cumberland	≤5	Kenton	75	Muhlenberg	8	Wolfe	≤5
Daviess	50	Knott	≤5	Nelson	7	Woodford	8

(1) For confidentiality purposes, cases less than or equal to 5 will no longer be listed.

(2) For 29 HIV cases, the county of residence is unknown.